



SEQUENCE LISTING

<110> Stirpe, Fiorenzo
Bolognesi, Andrea

<120> Type-1 Ribosome-Inactivating Protein

<130> PNJ-005CN

<140> 10/758902

<141> 2004-01-16

<150> US 09/445160

<151> 2000-03-10

<150> EP 97201725.5

<151> 1997-06-06

<150> PCT/NL98/0336

<151> 1998-08-06

<160> 9

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 30

<212> PRT

<213> Bougainvillaea Spectabilis

<400> 1

Tyr	Asn	Thr	Val	Ser	Phe	Asn	Leu	Gly	Glu	Ala	Tyr	Glu	Tyr	Pro	Thr
1				5				10						15	
Phe	Ile	Gln	Asp	Leu	Arg	Asn	Glu	Leu	Ala	Lys	Gly	Thr	Pro		
		20					25						30		

<210> 2

<211> 21

<212> PRT

<213> Bougainvillaea Spectabilis

<400> 2

Glu	Leu	Gly	Val	Tyr	Lys	Leu	Glu	Phe	Ser	Ile	Glu	Ala	Ile	Trp	Gly
1				5				10						15	
Lys	Thr	Gln	Asn	Gly											
		20													

<210> 3

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> PCR primer 116 for Ribosome-inactivating protein,
bouganin.

<220>

<221> misc_feature

<222> 3, 6, 12, 15

<223> n = A,T,C or G

<400> 3

ggngtnccyt tngcnagytc rtt

23

<210> 4

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> PCR primer 102 for Ribosome-inactivating protein,
bouganin.

<220>

<221> misc_feature

<222> 3, 9

<223> n = A,T,C or G

<400> 4

ggngargcnt aygartaycc

20

<210> 5

<211> 65

<212> DNA

<213> Bougainvillaea Spectabilis

<400> 5

ggggaggcct acgagtatcc cacttttata caagatttgc gcaacgaact cgctaaagga 60
acccc 65

<210> 6

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> PCR primer 125 for Ribosome-inactivating protein,
bouganin.

<400> 6

cttttataca agatttgcgc aacga

25

<210> 7

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> PCR primer 197 for Ribosome-inactivating protein,
bouganin.

<220>
 <221> misc_feature
 <222> 6, 15, 18
 <223> n = A,T,C or G

 <400> 7
 aaytcnaryt trtancancc 20

 <210> 8
 <211> 363
 <212> DNA
 <213> Bougainvillaea Spectabilis

 <220>
 <221> CDS
 <222> (2)...(361)

 <400> 8
 t ttt ata caa gat ttg cgc aac gaa ttg gct aag ggc aca cca gta tgt 49
 Phe Ile Gln Asp Leu Arg Asn Glu Leu Ala Lys Gly Thr Pro Val Cys
 1 5 10 15

 caa ctt cca gtg aca cta caa acc ata gcc gat gac aag cga ttt gtt 97
 Gln Leu Pro Val Thr Leu Gln Thr Ile Ala Asp Asp Lys Arg Phe Val
 20 25 30

 cta gtt gat atc act acg acc tcg aag aaa aca gtt aag gtt gct ata 145
 Leu Val Asp Ile Thr Thr Thr Ser Lys Lys Thr Val Lys Val Ala Ile
 35 40 45

 gat gtg aca gat gtg tat gtt gtg ggt tat caa gac aaa tgg gat ggc 193
 Asp Val Thr Asp Val Tyr Val Val Gly Tyr Gln Asp Lys Trp Asp Gly
 50 55 60

 aaa gat cga gct gtt ttc ctt gac aag gtt cct act gtt gca act agt 241
 Lys Asp Arg Ala Val Phe Leu Asp Lys Val Pro Thr Val Ala Thr Ser
 65 70 75 80

 aaa ctt ttc cca ggg gtg act aat cgt gta acg tta aca ttt gat ggc 289
 Lys Leu Phe Pro Gly Val Thr Asn Arg Val Thr Leu Thr Phe Asp Gly
 85 90 95

 agc tat cag aaa ctt gtg aat gct gcc aaa gtg gat aga aag gat ctc 337
 Ser Tyr Gln Lys Leu Val Asn Ala Ala Lys Val Asp Arg Lys Asp Leu
 100 105 110

 gaa ctg ggc gtc tac aaa ctc gag tt 363
 Glu Leu Gly Val Tyr Lys Leu Glu
 115 120

 <210> 9
 <211> 149
 <212> PRT
 <213> Bougainvillaea Spectabilis

<400> 9

Tyr	Asn	Thr	Val	Ser	Phe	Asn	Leu	Gly	Glu	Ala	Tyr	Glu	Tyr	Pro	Thr
1				5					10					15	
Phe	Ile	Gln	Asp	Leu	Arg	Asn	Glu	Leu	Ala	Lys	Gly	Thr	Pro	Val	Cys
		20						25					30		
Gln	Leu	Pro	Val	Thr	Leu	Gln	Thr	Ile	Ala	Asp	Asp	Lys	Arg	Phe	Val
		35					40					45			
Leu	Val	Asp	Ile	Thr	Thr	Thr	Ser	Lys	Lys	Thr	Val	Lys	Val	Ala	Ile
	50					55					60				
Asp	Val	Thr	Asp	Val	Tyr	Val	Val	Gly	Tyr	Gln	Asp	Lys	Trp	Asp	Gly
65					70					75				80	
Lys	Asp	Arg	Ala	Val	Phe	Leu	Asp	Lys	Val	Pro	Thr	Val	Ala	Thr	Ser
			85						90					95	
Lys	Leu	Phe	Pro	Gly	Val	Thr	Asn	Arg	Val	Thr	Leu	Thr	Phe	Asp	Gly
			100					105					110		
Ser	Tyr	Gln	Lys	Leu	Val	Asn	Ala	Ala	Lys	Val	Asp	Arg	Lys	Asp	Leu
		115					120					125			
Glu	Leu	Gly	Val	Tyr	Lys	Leu	Glu	Phe	Ser	Ile	Glu	Ala	Ile	Trp	Gly
	130					135					140				
Lys	Thr	Gln	Asn	Gly											
145															